

Title (en)
POSITIONING INFORMATION DETERMINATION METHOD AND DEVICE

Title (de)
VERFAHREN UND VORRICHTUNG ZUR BESTIMMUNG VON ORTUNGSINFORMATIONEN

Title (fr)
PROCÉDÉ ET DISPOSITIF DE DÉTERMINATION D'INFORMATIONS DE LOCALISATION

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Application
EP 13816508 A 20130710

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Abstract (en)
[origin: EP2874449A1] An embodiment of the present application relates to the technical field of wireless communications, in particular to a positioning information determination method and device, for solving the problem of large positioning result errors in the prior art due to the fact that existing positioning methods cannot acquire the height difference between a UE and a base station. The positioning information determination method provided in the embodiment of the present invention comprises: a base station receives an uplink signal from a UE; and the base station determines the angle of arrival, beam declination angle and timing advance of the UE according to the received uplink signal. By determining the angle of arrival, beam declination angle and timing advance of a UE according to the received uplink signal, the base station determines the height difference between the UE and the base station according to the beam declination angle, thus reducing positioning result error and improving positioning precision.

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H04W 64/00 (2009.01); **G01S 5/12** (2006.01)

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G01S 3/04 (2013.01 - US); **G01S 5/12** (2013.01 - EP US); **H04W 64/00** (2013.01 - EP US); **H04W 64/006** (2013.01 - US)

Cited by
US11191057B2; US10979326B2; US10965654B2; US11799838B2; EP3537737A4; EP3624513A1; US10742336B2; US11088771B2

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